

REMARKS

Applicants respectfully request reconsideration of the present U.S. Patent application as amended herein. Claims 56, 80, and 104 have been amended. Claims 56-114 are pending.

Claim Rejections - 35 U.S.C. § 102

Claims 56-114 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,141,567 issued to Youssefmir et al.

Claim 56 recites the following:

computing a smart antenna processing strategy for a remote user, based at least in part on received signal data;
determining one or more signatures of one or more interferers; and
modifying the antenna processing strategy by incorporating the determined one or more signatures of the one or more interferers with the received signal data to reduce one or both of antenna transmit signal strength in, and sensitivity of the antenna to signals from, one or more interferers.

Claims 80 and 104 recite similar limitations.

Youssefmir discloses a processing scheme that uses the signature of the received antenna signal. More specifically, at col.21, lines 59-61, Youssefmir discloses a model for a received antenna signal that includes $a(t)$, a spatio-temporal signature for the received antenna signal. The model also includes an estimate of the combined noise and interference. However, Youssefmir does not disclose determining signatures of one or more interferers and incorporating the determined interferer signatures with the received signal to modify the antenna processing strategy. These limitations are recited in claims 56, 80, and 104. Therefore, Applicants submit that claims 56, 80, and 104 are not anticipated by Youssefmir.

Claims 57-79, 81-103, and 105-114 are dependent claims, and therefore include the limitations of their independent base claims in addition to adding further limitations of their own.

Therefore, Applicants submit that claims 57-79, 81-103, and 105-114 are not anticipated by Youssefmir for at least the reasons set forth above.

Conclusion

In view of the amendments and remarks set forth above, Applicants submit that claims 56-114 are in condition for allowance and such action is respectfully solicited. The Examiner is respectfully requested to contact the undersigned by telephone if it is believed that such contact would further the examination of the present application.

Please charge any shortages and credit any overcharges to our Deposit Account number 02-2666.

Respectfully submitted,
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Date: 2/6/04



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